

-1/-2 HYDRAULIC CYLINDERS

ACCEPTED VENDORS:
BAILEY HYDRAULICS
2527 WESTCOTT BLVD.
KNOXVILLE, TN. 37931
800-800-1810

OPERATING PRESSURE: 3000psi.
FINISH: GLOSS BLACK PAINT.

REVISION HISTORY					
DATE	REV	DESCRIPTION	AUTHOR	CHECKED BY	APPROVED
08/08/17	A	INITIAL RELEASE	EW	LS	JT
10/4/17	B	ADDED -2	EW	LS	JT
7/16/19	C	ADDED -3	CMK	LS	CMK

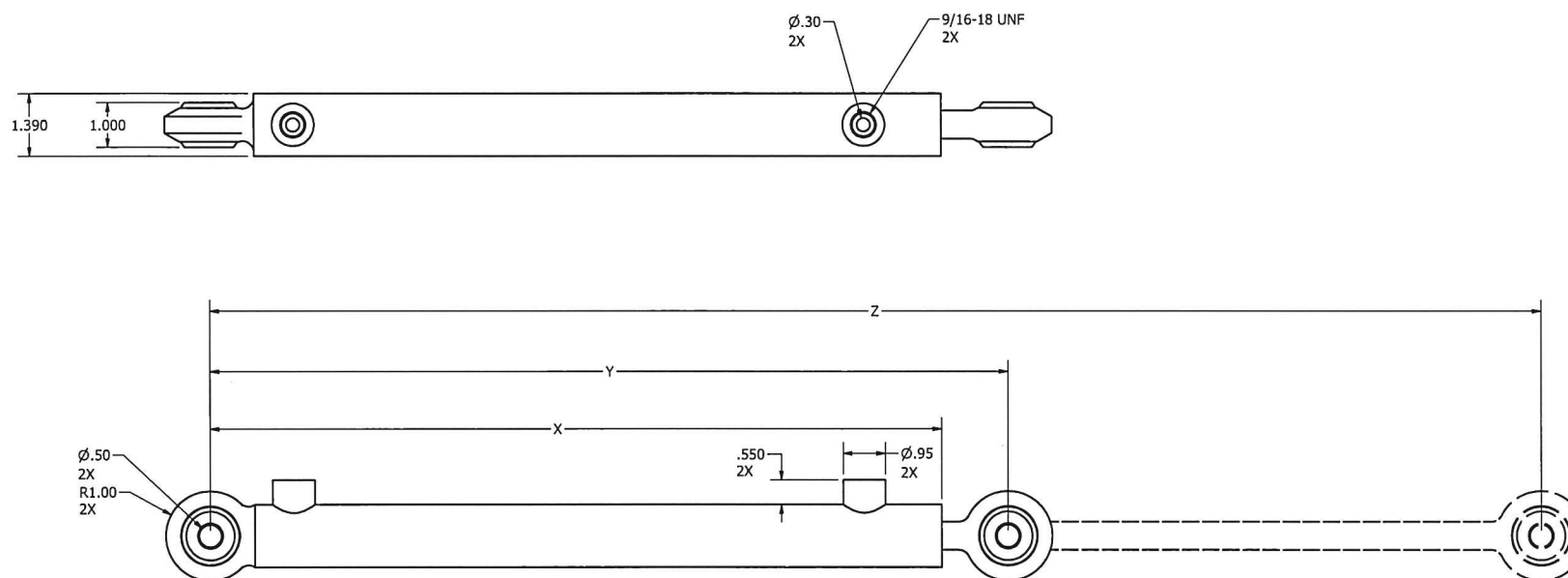


TABLE					
DASH #	MANUFACTURER PART NO.	STROKE	BODY LENGTH "X"	COMPRESSED LENGTH "Y"	EXTENDED LENGTH "Z"
-1	400-502	8	14	14	22
-2	400-504	12	16	18	30

-2 CYLINDER SHOWN

NOTE:

This drawing defines the overall geometry and performance specifications of the part/assembly, and constitutes the acceptance criteria thereof. Only the item(s) described in this document procured from the vendor and/or manufacturer listed hereon are approved for use. A substitute item shall not be used without prior approval. Conformance of hardware to these requirements is acceptable in lieu of vendor and/or manufacturer documentation.

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PROTO

Paravion [®] Technology Inc.		TITLE HYDRAULIC CYLINDER		DRAWING NUMBER ES39212	
DIMENSIONS IN INCHES TOLERANCES EXCEPT WHERE NOTED: .X = $\pm .1$.XX = $\pm .05$.XXX = $\pm .010$ ANGLES = $\pm 1^\circ$		DRAWN BY EW	CHK'D BY LS	APPR'D. BY JT	DATE 8/8/17
THREADS: INTERNAL: CLASS 2B EXTERNAL: CLASS 2A		3RD ANGLE PROJECTION		DO NOT SCALE DRAWING ©2017 PARAVION TECH INC. PARAVION IS A TRADEMARK OF PARAVION TECHNOLOGY INC.	
				REV C	ECO
				SHEET 1 OF 2	

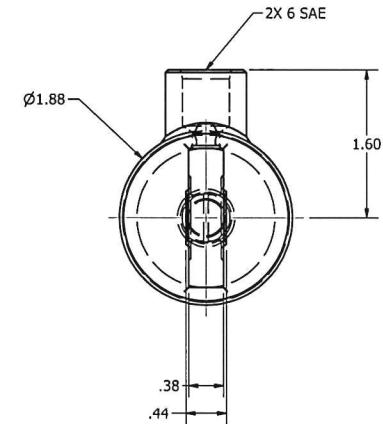
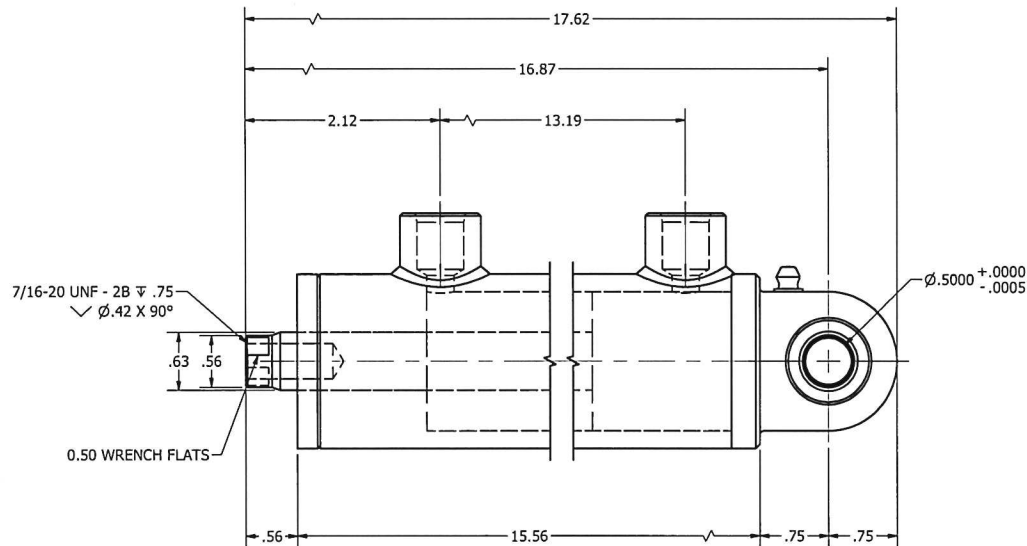
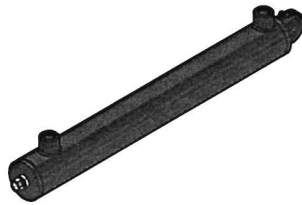
-3 HYDRAULIC CYLINDER

ACCEPTED VENDORS:
MOTION FLOW CONTROL PRODUCTS, INC.
834 S.E. FRONTAGE ROAD
FORT COLLINS, CO 80524
970.221.8008

MANUFACTURER:
PARKER HANNIFIN CORP.
CYLINDER DIVISION
DES PLAINES, IL 60016

NOTES

1. MFG P/N: 1.50SBRDHBT419A12.000
2. BORE: 1.5 IN
3. STROKE: 12.0 IN
4. NOMINAL PRESSURE: 3000 PSI
5. SEALS: LOW TEMPERATURE (CLASS 4), -45°C (-50°F) TO 65°C (150°F) WITH ROD WIPER
6. MATERIALS: BODY - CARBON STEEL
ROD - CARBON STEEL, CASE HARDENED AND HARD CHROME PLATED
HEAD - DUCTILE IRON
PISTON - DUCTILE IRON
6. FINISH: GLOSS BLACK ENAMEL



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THREADS: INTERNAL CLASS 2B EXTERNAL CLASS 2A		DO NOT SCALE DRAWING		SHEET 2 OF 2	
3RD ANGLE PROJECTION		©2017 PARAVION TECH. INC. PARAVION IS A TRADEMARK OF PARAVION TECHNOLOGY INC.		REV C	